

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claims 1-5. (Canceled)

Claim 6. (Original) A substantially pure unglycosylated human mitotic kinesin protein excluding kid comprising a motor domain.

Claim 7. (Original) A substantially pure unglycosylated human mitotic kinesin protein, wherein said kinesin protein is selected from the group consisting of chromokinesin, KSP, CENP-E, MKLP1, HSET, Kif15, Kin2, Kif1A and MCAK.

Claim 8. (Original) A substantially pure unglycosylated human kinesin protein comprising a motor domain and at least three epitope tags.

Claim 9. (Original) A substantially pure unglycosylated kinesin protein comprising a motor domain, wherein said kinesin is selected from the group consisting of Kin2, chromokinesin, BimC, HSET, Kif15, Kif1A and MKLP1.

Claims 10-14. (Canceled)

Claim 15. (Original) A substantially purified unglycosylated peptide selected from the group consisting of K335, Q475, D679, FL1, P166, H195, FL2, E433, R494, E658, L360, K491, S553, M329, T340, S405, V465, T488, M1, M2, M3, M4, M5, M6, FL3, A2N370, A2M511, K519, E152.2, Q151.2, Q353 and M472.